R.F. DOUBLE TRIODE

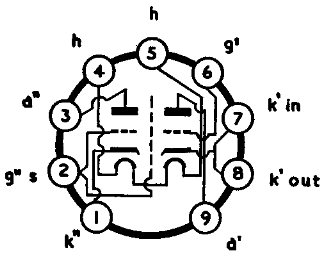
0.3A INDIRECTLY HEATED

B319

JULY, 1956

A double triode with separate cathodes, for use as a cascode RF amplifier at frequencies up to 250 Mc/s.

BASE CONNECTIONS AND VALVE DIMENSIONS



View from underside of base

Base : B9A

Bulb : tubular

Overall length : 49 max. mm.

Seated length : 36 max. mm.

Diameter: 22·2 max. mm.

HEATER

I_h	0·3	A
V_h	7·4	V

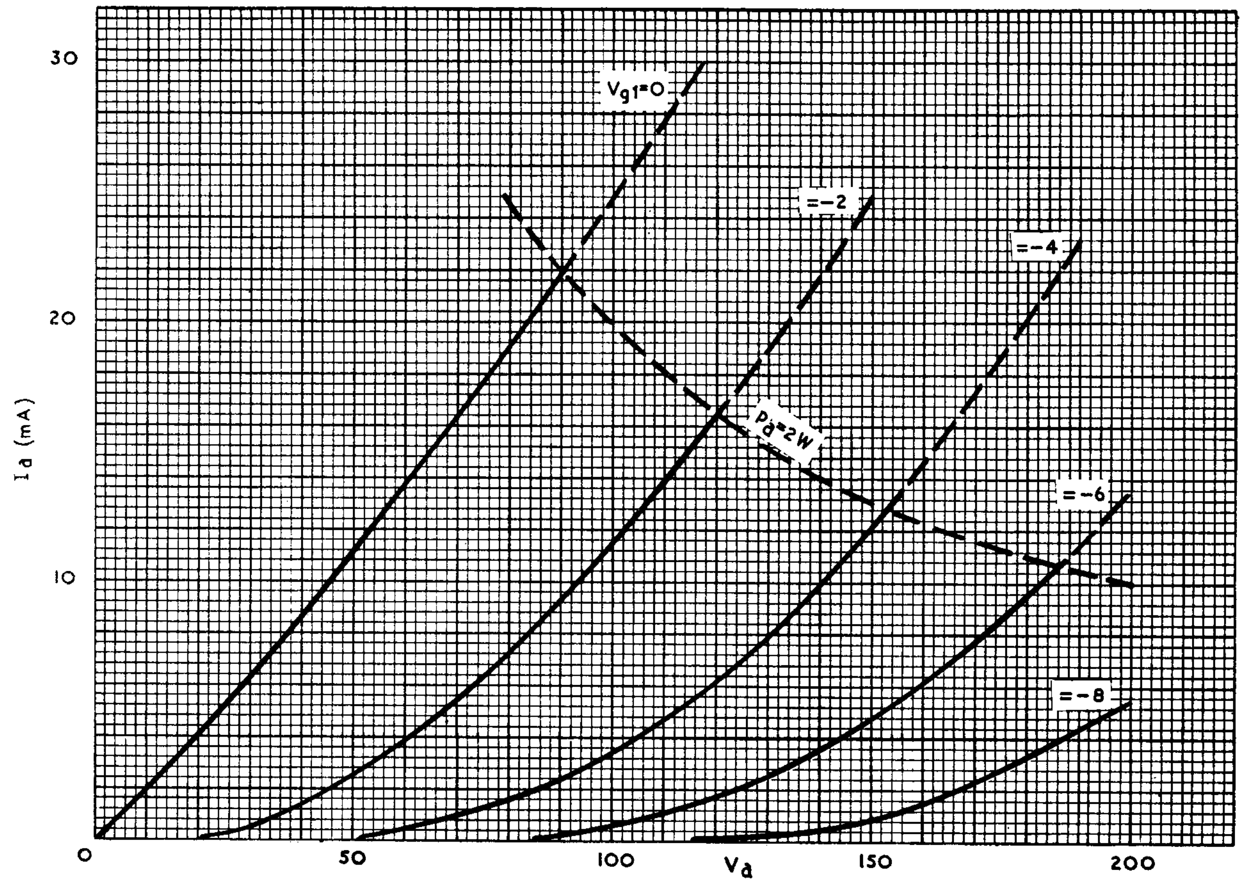
RATING

(per system)

V_a		250	max.	V
V_{h-k}		250	max.	V
I_k		18		mA
p_a		2·0	max.	V
μ	at $V_a = 90$	24		
r_a	$V_g = -1{\cdot}5$	4		kΩ
g_m	$I_a = 12$mA	6·0		mA/V

CAPACITANCES

$c_{a'-g'}$	1·1 pF	$c_{a''-g''}$	2·3 pF
$c_{g'-h}$	0·25 pF	$c_{a''-g''+h}$	2·5 pF
$c_{g'-a''}$	0·005 pF	$c_{a''-k''}$	0·17 pF
$c_{a'-a''}$	0·035 pF	$c_{a''-k''+h}$	4·9 pF
c_{in}	1·1 pF	$c_{h-k''}$	2·8 pF
c_{out}	2·3 pF		


30
20
10
0
Ia (mA)
Vg1=0
=-2
=-4
=-6
=-8
Pa=2W
50
100
150
200
Va